Sinking and Floating

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homeroom: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Soda Can Lab**

**Prediction**

Will your soda sink or float? Explain your prediction?

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Experiment:

|  |  |  |
| --- | --- | --- |
| **Soda** | **Prediction: Sink/Float** | **What Happened? Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |
|  | **Sink/Float** | **Sink/Float** |

Conclusion: Explain your observations.

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Testing your objects

**Directions:** Bring at least 6 objects from home. Predict whether or not they will sink or float.

|  |  |  |  |
| --- | --- | --- | --- |
| **Object:** | **Prediction: Sink/Float** | **What is the mass of the object?** | **What Happened? Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |
|  | **Sink/Float** |  | **Sink/Float** |

Conclusion: Explain your observations.

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How Does Your Boat Float? Lab 1

**Directions:** Design a boat that will hold the most marbles.

|  |  |  |
| --- | --- | --- |
| **Boat Design:** | **Prediction: Sink/Float** | **What Happened? Sink/Float** |
| **Basketball** | **Sink/Float** | **Sink/Float** |
| **Pancake** | **Sink/Float** | **Sink/Float** |
| **Sausage** | **Sink/Float** | **Sink/Float** |
| **Dish** | **Sink/Float** | **Sink/Float** |
| **Choice:** | **Sink/Float** | **Sink/Float** |
| **Choice:** | **Sink/Float** | **Sink/Float** |

Conclusion: Explain your observations.

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How Does Your Boat Float? Lab

**Directions:** Design a boat that will hold the most marbles.

**Design of foil boat: Number of marbles it holds:**

|  |  |
| --- | --- |
| Trial 1: |  |
| Trial 2: |  |
| Trial 3: |  |

Conclusion: Explain your observations.

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**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Sinking and Floating Quiz**

**In your own words, what did you learn about sinking and floating objects from the labs and articles? You may use your sinking and floating packet.**

**Advance=Use multiple vocabulary terms correctly, and explains in detail why objects either sink or float.**

**Proficient= Uses some vocabulary terms correctly, and explains why objects either sink or float.**

**Basic= Uses few vocabulary terms correctly, and briefly explains why objects either sink or float.**

**Minimal=Uses vocabulary term incorrectly and incorrectly explains why objects either sink or float.**

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